APPLICATION FOR ENDORSEMENT OR ENDORSEMENT PLAN (SAEP)

Computer Science – Level 2

This endorsement requires a minimum of a BS degree in a related area.

OFFICIAL transcripts and certifications must be attached to verify applicable course work and requirements

First Name	Middle Initial	Last Name	Date	CACTUS ID #

Home Address/City/State/Zip	Work Phone
Email Address	**Home Phone**

Current Teaching Status School District

❒ Not Teaching **OR** Teaching at:

Current License(s) Held ❒ Secondary Education ❒ Career and Technical ❒ CTE Specialty

Check only one

❒ I am requesting the **Computer Science – Level 2** endorsement. The required courses, certifications, and professional development have been completed, appropriate documentation is attached, and **an evaluation fee of $25.00 is enclosed.**

❒ I am submitting a plan for the **Computer Science – Level 2** endorsement (SAEP). Course requirements will be completed within the timeframe indicated in the plan. (Minimum of 12 credits required for SAEP) **An evaluation fee of $35.00 is enclosed**.

This endorsement authorizes the instructor to teach the following courses:

AP Computer Science, Advanced Computer Programming, Algorithms & Data Structures, Computer Literacy Computer Programming I & 2, Computer Science and Software Engineering, Computer Science Applications, Digital Literacy, Computer Science 1 & 2, Exploring Computer Science 1 & 2, Gaming Development Fundamentals 1 & 2 , HTML5 Application Development, Intro to IT, Mobile Development, New and Emerging Technologies, Web Development 1, 2 & Capstone

Course Information (minimum grade of C required)	Dept. - Course #	Institution	Grade	Year	Credits
Content Coursework					
Required					
Degree:					
Major or Minor in Computer Science or CS Education					
or Coursework (15 credits)					
Fundamentals of CS, Web Dev, or equivalent- 3 credit hrs					
Programming Fundamentals or equivalent- 3 credit hrs					
Object Oriented Programming or equivalent- 3 credit hrs					
Algorithms & Data Structures or equivalent- 3 credit hrs					
additional CS course- 3 credit hrs					
Methods Coursework					
Computer Science Education Methods course – 3 credit hrs (for those in a CS Education program at a college)					
or all of the following for those adding an endorsement					
Required – CS Methods course (ECS or CSP workshop)					2.5
Required – 2 IT Summer or Winter Conferences		USBE			1.5
Industry Certifications					
Required – MTA Software Development Fundamentals					
or Oracle Java Foundations Certified Junior Associate 1Z0-811					
or – Programming certification or equivalent					
				Total Credits	

Signature of Applicant	**Date**
X	

Submit completed application and official transcripts and/or other documentation to: Stephanie Ferris, USBE Educator Licensing, 250 East 500 South, PO Box 144200, Salt Lake City, 84114-4200. Phone: (801) 538-7740

---------- ***Information below to be completed by USBE personnel*** ----------

❒ Endorsement Awarded ❒ SAEP Approved for _____ years ❒ Not Approved

Specialist Signature Date

Computer Science Level 2 — Endorsement Requirements

There are eight requirements for the Computer Science Level 2 Endorsement. Listed below are the required courses and a list of courses from local universities that could fulfill the requirement. SLCC, UVU, and Weber have online versions for many of the courses.

Put a check next to the course that appears on your transcript. Complete the boxes only if "other" is checked.

1. Fundamentals of Computer Science or Web Development

_____ Harvard CS50 edX
_____ BYU CS 100 Fundamental of Computing and Information
_____ BYU DigHT 210 Humanities Technology: Tools & Skills
_____ BYU DigHT 250 Web Publishing
_____ DSU CS 1010 Problem Solving with Computers
_____ DSU Web 1400 Intro to Internet Development
_____ SLCC CSIS 1030 Connected Computing
_____ Snow CS 1030 Survey of Computer Science
_____ SUU CSIS 1040 Intro to Programming with MatLab
_____ U of U CS 1000 Engineering Computing
_____ U of U CS 1030 Explorations in Computer Science
_____ U of U CS 1030 Programming Fundamentals
_____ U of U EAE 1030 Foundations of Computer Science
_____ USU CS 1030 Foundations of Computer Science
_____ UVU CS 1030 Foundations of Computer Science
_____ UVU INFO 1120 Information Systems & Technology Fundamentals
_____ UVU INFO 1120 Web Application Design
_____ UVU DGM 2120 Web Essentials
_____ WSU CS 1030 Foundations - Computer Science
_____ Westminster CMPT 140 Computer Science Principles
_____ WGU Introduction to IT
_____ WGU Web Development Fundamentals
Other – Complete the box at the right

Name of Course _____
_____
Date Completed _____ # Hours _____
University _____

2. Programming Fundamentals

_____ Oracle Academy Java Fundamentals
_____ BYU DigHT 310 Programming in the Humanities
_____ BYU DigHT 350 Web Information Technologies
_____ DSU CS 1400 Fundamentals of Programming
_____ SLCC CSIS 1400 Fundamentals of Programming
_____ SLCC CSIS 1340 Introduction to Programming
_____ Snow CS 1400 Programming Fundamentals
_____ SUU CSIS 1400 Fundamentals of Programming
_____ USU CS 1400 Intro to Computer Science – CS 1
_____ UVU CS 1400 Fundamentals of Programming
_____ U of U EDTECH 459 HTML5 Coding and EDTEC 475 Cascading Style Sheets Level 1
_____ UVU INFO 1200 Computer Programming I for IS/IT
_____ WSU CS 1400 Fundamentals of Programming
_____ WGU Scripting and Programming – Foundations
_____ WGU Software I
_____ Univ of Phoenix POS 408 Object Oriented Programming
Other – Complete the box at the right

Name of Course _____
_____
Date Completed _____ # Hours _____
University _____

3. Object Oriented Programming

_____ Oracle Academy Java Programming
_____ BYU CS 142 Introduction to Computer Programming
_____ DSU CS 1410 Object Oriented Programming
_____ SLCC CSIS 1410 Object-Oriented Programming
_____ Snow CS 1410 Object-Oriented Programming
_____ SUU CSIS 1410 Object Oriented Programming
_____ U of U EAE 1410 Intro to Object Oriented Programming
_____ U of U CS 1410 Introduction to Object-Oriented Programming
_____ USU CS 1410 Intro to Computer Science – CS 2
_____ UVU CS 1410 Object Oriented Programming
_____ UVU Info 2200 Computer Programming II for IS/IT
_____ WSU CS 1410 Object Oriented Programming

Name of Course _____
_____
Date Completed _____ # Hours _____
University _____

_____ Westminster CMPT 201 Intro to Computer Science
_____ WGU Scripting and Programming - Applications
_____ Univ of Phoenix POS 409 Object Oriented Programming
Other – Complete the box at the right

4. Algorithms and Data Structures

_____ BYU CS 235 Data Structures and Algorithms
_____ DSU CS 2420 Intro to Algorithms and Data Structures
_____ SLCC CSIS 2420 Algorithms & Data Structures
_____ Snow CS 2420 Data Structures and Algorithms
_____ SUU 2420 Intro to Algorithms and Data Structures
_____ U of U 2420 Intro to Algorithms and Data Structures
_____ USU CS 2420 Algorithms and Data Structures – CS 3
_____ UVU 2420 Intro to Algorithms and Data Structures
_____ WSU 2420 Intro to Algorithms and Data Structures
_____ USBE Algorithms and Data Structures
Other – Complete the box at the right

Name of Course _____

_____

Date Completed _____ # Hours _____

University _____

5. Additional Programming Class

An additional 3 credit programming class above the Introduction to programming (C++, C#, Visual Basic, Java, Python, etc.)
Other – Complete the box at the right

Name of Course _____

_____

Date Completed _____ # Hours _____

University _____

6. CS Methods Course or Ed Tech endorsement

_____ Exploring CS workshop
_____ CS Principles workshop
Ed Tech – Complete the box at the right

Name of Course/Endorsement _____

_____

Date Completed _____ # Hours _____

University _____

7. IT Summer or Winter Conference (1.5 Credits)

List the conference, the date, and credits earned (Attach OnTrack transcript)

_____ _____ _____

_____ _____ _____

_____ _____ _____

8. Industry Certification

Attach certification or passing test results.
_____Certiport MTA Software Development Fundamentals Exam 98-361
http://certiport.com/mta
_____ Oracle Java Foundations Certified Junior Associate 1Z0-811
Other Programming certification – Complete the box at the right

Programming Certification _____

_____

Date Completed _____